



PCT09

## RAW SEQUENCE LISTING

DATE: 02/06/2002

PATENT APPLICATION: US/09/701,926B

TIME: 14:19:51

Input Set : A:\111590-122.ST25.txt

Output Set: N:\CRF3\02062002\I701926B.raw

p.s

4 <110> APPLICANT: The University of Queensland  
 6 <120> TITLE OF INVENTION: Phenotype Modifying Genetic Sequences  
 8 <130> FILE REFERENCE: 111590-122  
 10 <140> CURRENT APPLICATION NUMBER: US 09/701,926B  
 11 <141> CURRENT FILING DATE: 2001-12-10  
 13 <150> PRIOR APPLICATION NUMBER: PCT/AU99/00434  
 14 <151> PRIOR FILING DATE: 1999-06-04  
 16 <150> PRIOR APPLICATION NUMBER: PP3901  
 17 <151> PRIOR FILING DATE: 1998-06-04  
 19 <150> PRIOR APPLICATION NUMBER: PP6174  
 20 <151> PRIOR FILING DATE: 1998-09-25  
 22 <150> PRIOR APPLICATION NUMBER: PP6169  
 23 <151> PRIOR FILING DATE: 1998-09-25  
 25 <150> PRIOR APPLICATION NUMBER: PP3903  
 26 <151> PRIOR FILING DATE: 1998-06-04  
 28 <160> NUMBER OF SEQ ID NOS: 39  
 30 <170> SOFTWARE: PatentIn Ver. 2.0  
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 35 <213> ORGANISM: Tomato  
 37 <400> SEQUENCE: 1

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40 cattatcact gagccttatg attatgtttt acgagcttat aatatcactg atggtgattc 180
41 agtattgtga ttatgtcctt cgttgattat tctgtttcat acaagtcgtg taatttgctg 240
42 tttgtgacag tacgatagat cgactcaacc ttctgaggta ttagttgaag ttcatgtaaa 300
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45 tttgttactt ctgcagtcag atcatgagtt attgagtcta ttgttttttt aagcctgttt 480
46 cagatgatcc atcatcagta acaacataca cgggtgtagt ccaaatccat catatgcacc 540
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52 cacaactccc gtgtcttggt tgctcgtcgc tcagcatgca agtcgagaaa agaaagacca 900
53 aaacaatgaa aactttacga aaaatcaaaa agttgaagga cttaacgtc gagatctctc 960
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56 tccgttaatc ttgtactcag tgtgtctact tttcaaaaaa gtcagttttt cagtctctaa 1140
57 aacacattta aataagagtt tctttgcccc tctttgttc ctcactcctag gcttggagtc 1200
58 aacacaacac aacaaca                                     1217

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62 <212> TYPE: DNA
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67 tatcaccgaa ccttatgatt atgtgtacga gcttataata ttactgatgg tgattcagta 180
68 ttatgattat gtcctccatt aattattctg ttccatacaa gtcgtgtaat ttgctgtttg 240
69 tgattgtacg ataaattgat tcaaccttct gcggtgttgg ttgaagttca agtaaattag 300
70 ctttatttat catagtagca tttgattatt gatgctctgt agctaattgat aagccattga 360
71 aggggaagcag aaatggtaaa gctttctaaa atgaatctac gaatggatga taaagttaat 420
72 gaatattggt gatacttctg caatcagatt atgagttact gagtctactg ttttttaagc 480
73 ctgtttcaga tgatcgatca tcaacaacaa catattcagt gtagtagaca tgatcgatca 540
74 ctttctaatt ttcgattatg caccctcttt tctccaattt ggctgctctt tttttttcat 600
75 gatgtcactg aattattctc tggctgctcc caccattcag gaagtcactt cgagcataat 660
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81 cactgaaatt tccagggtcgt taatcttgta cccagtgtgt gtacttttaa aaaaaaaagt 1020
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91 3083, 3090, 3092, 3104, 3114, 3146, 3192, 3921
92 <223> OTHER INFORMATION: n = A,T,C or G
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97 ttatgtttta cgagcttata atatcactga tgggtgattca gtattgtgat tatgtccttc 240
98 gttgattatt ctgtttcata caagtcgtgt aatttgcgtt ttgtgacagt acgatagatc 300
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102 tcatgagtta ttgagtctat tgttttttta agcctgtttc agatgatcca tcatcagtaa 540
103 caacatacac ggtgtagtcc caaatccatc atatgcacct tcttttcttc aatttggctc 600
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105 ttttcaaaa ccacctttgt tcaagcacta ccacgtcttt tcatctagcc cacaaccgtg 720
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107 acactatgaa tccactaata ctagatgggt cacctgtgcc cccactcatg tgaaaacct 840
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114 aaatcaaaaa gttgaaggac tttaacgctc agatctctcg tagaaaacct cttttgtaag 1020
115 gttgcataca atactttttt ttcagacttt acttatggta ttatactgaa tatgttattg 1080
116 ctgttatagt agttgagtga cgtttgaggg aattttctagt ccgttaatct tgtactcagt 1140
117 gtgtctactt ttcaaaaaag tcagtttttc agtctctaaa acacatttaa ataagagttt 1200
118 ctttgcccat cttttgttcc tcactcctagg cttggagtca acacaacaca acaacaatga 1260
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126 aatagttcag acaagttaat gaccaactta tatattagtt caatccataa aatttgatgt 1740
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206 <212> TYPE: DNA
207 <213> ORGANISM: Tomato
209 <220> FEATURE:
210 <221> NAME/KEY: misc feature
211 <222> LOCATION: 16, 23, 47, 302, 521, 633
212 <223> OTHER INFORMATION: n = A,T,C or G

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217 acccttaaat gtagggaatt tgaagtttta aaaaccacac tttgttattt attggcccaa 180  
218 atactcgata atctttacat tattgaaaat caacattcaa aaggaacgaa ccttcaatca 240  
219 caccatcaat gtcaactttc ttttattttg gataatctaa gtttttaaat tgcagtaaaa 300  
W+> 220 tnaaataaaa ccctaaactt cttctaggtt gagacttagt aaatatgaat tatatataaga 360  
221 attcatgaca aatgagacat aagaatagtg ccagcaaatt acttttttga tatcttatct 420  
222 gtgatatcgg aattttaact accataaatt tatgaatgaa atatcactta tctattagag 480  
W-> 223 aggatttaatt ctcccttata atgacattga taaaagcaag nacaagtgtc ctttattttct 540  
224 taattacaaa tccttaataa gataaaagct acgaataaca taatatcctt aaatagataa 600  
W--> 225 aagctacgaa taacataata gtatattact ccnaattatt ttgattttatt taaaatgact 660  
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230 <211> LENGTH: 662  
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237 ttaaaattgt tattttctgtt ttgtctgtgt catattatga cctacacaac aacaacaaca 180  
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240 caataattaa aaaaatatga attaataagca aagcagtgtg gaccatata acaaaaatct 360  
241 ataacaacaa caaggtgcag agcattattc caactaagat cgaagttgtg atactgtcat 420  
242 aataaaaatg acacatatat tgacaacata aaaaataaat aaccataaaa tatatcatag 480  
243 aaaaatgaat atattagaac agctcactcc aatattaaaa gagagaaaaa aaatattttc 540  
244 ccaccacaat gccataatcc ttgagcttag ctatttataa gtaaaaaaaa tgttttcttg 600  
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270 <211> LENGTH: 708  
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272 <213> ORGANISM: Tomato  
274 <400> SEQUENCE: 8

Use of n and/or Xaa has been detected in the Sequence Listing.  
Review the Sequence Listing to insure a corresponding  
explanation is presented in the <220> to <223> fields of  
each sequence using n or Xaa.

## VERIFICATION SUMMARY

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L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:146 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:147 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:148 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:149 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:150 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:151 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:163 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:215 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:220 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:223 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:225 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:310 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9  
L:346 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11  
L:363 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12  
L:381 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12  
L:414 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13  
L:416 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13  
L:421 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13  
L:435 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14  
L:437 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14  
L:438 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14  
L:452 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15  
L:453 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15  
L:619 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32  
L:665 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33  
L:667 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33  
L:668 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33  
L:670 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33  
L:674 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33  
L:690 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34  
L:691 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34  
L:707 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35  
L:708 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35  
L:710 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35  
L:760 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39  
L:761 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39  
L:762 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39  
L:763 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39